

## Patents

- [Pt.1] R. Alini, A. Baschirotto, R. Castello, G. Vai  
**"Transconductor stage for high-frequency filters"**  
USA patent (issued) 5,332,937 - 26/7/1994 - Italian patent (issued) 1252392 - 12/6/95
- [Pt.2] R. Alini, A. Baschirotto, R. Castello, S. Portaluri  
**"MOS transistor threshold voltage generator"**  
USA patent (issued) 5,495,166 - 27/2/1996 - European patent (issued) 0565806 - 28/8/96
- [Pt.3] F. Rezzi, A. Baschirotto, R. Castello  
**"Transconductor circuit with high-linearity differential input and active filter thereof"**  
USA patent (issued) 5,576,646 - 19/11/1996 - European patent (published) 94830324.3 - Japan patent (pending) 7-166569
- [Pt.4] F. Rezzi, A. Baschirotto, R. Castello  
**"Method erasing a common mode current signal and transconductor assembly using such method"**  
USA patent (issued) 5,696,457 - 9/12/1997 - European patent (published) 94830323.5 - Japan patent (pending) 7-166568
- [Pt.5] R. Castello, A. Baschirotto, A. Nagari, F. Montecchi  
**"Low voltage, switched-capacitance circuit employing switched operational amplifiers with maximized voltage swing"**  
USA patent (issued) 5,745,002 - 28/4/1998 - European patent (published) 94830318.5 - Japan patent (pending) 7-183434
- [Pt.6] A. Baschirotto, A. Nagari, R. Castello  
**"Common-mode control circuit for a switchable fully-differential opamp"**  
USA patent (issued) - 5,973,537 - 26/10/1999 - European patent (granted) pat. n. 0836274, 15/4/98
- [Pt.7] A. Baschirotto, A. Nagari, R. Castello  
**"High-speed switched-opamp for low supply voltage applications"**  
USA patent (issued) - 5,994,960 - 30/11/1999 - European patent (granted) pat. n. 0836275, 15/4/98
- [Pt.8] A. Baschirotto, U. Baschirotto, G. Brasca, R. Castello  
**"First and second order CMOS elementary cells for time-continuous analog filters"**  
USA patent (issued) - 6,031,416 - 29/2/2000
- [Pt.9] A. Baschirotto, G. Frattini  
**"Ac-coupling driver with wide output swing"**  
USA patent (issued) - 6,163,176 - 19/12/2000
- [Pt.10] A. Baschirotto, G. Brasca, R. Castello, G. Montagna  
**"A switched input circuit structure"**  
USA patent (issued) - 6,380,789 - 30/4/2002
- [Pt.11] P. Cusinato, A. Baschirotto, V. Colonna, G. Gandolfi  
**"Current generator for alternatively providing a first constant current and a ratioed second constant current to a sigma-delta modulator"**  
USA patent (issued) - 6,384,585 - 7/5/2002
- [Pt.12] A. Baschirotto, P. Cusinato, G. Montagna, R. Castello  
**"Fully differential, switched capacitor, operational amplifier circuit with common-mode controlled output"**  
USA patent (issued) - 6,411,166 - 25/6/2002
- [Pt.13] A. Baschirotto, P. Cusinato  
**"Switched-capacitor fully-differential operational amplifier with high switching frequency"**  
USA patent (issued) - 6,417,728 - 9/7/2002
- [Pt.14] C. Meroni, E. Botti, A. Baschirotto, M. Ghioni  
**"Method for dynamic matching of the elements of an integrated multibit digital-to-analog converter with balanced output for audio applications"**  
USA patent (issued) - 6,445,324 - 3/9/2002
- [Pt.15] G. Gandolfi, A. Baschirotto, V. Colonna, P. Cusinato  
**"Digital-analog converter comprising a third order sigma delta modulator"**  
USA patent (issued) - 6,483,449 - 19/11/2002

- [Pt.16] P. Cusinato, A. Baschirotto, V. Colonna, G. Gandolfi  
**“Class AB single-stage advanced operational amplifier”**  
USA patent (issued) - 6,486,736 - 26/11/2002
- [Pt.17] P. Cusinato, A. Baschirotto, F. Pasolini  
**“Method of re-establishing the stability of a sigma-delta modulator and a circuit for implementing the method”**  
USA patent (issued) - 6,489,907 - 3/12/2002
- [Pt.18] V. Colonna, A. Baschirotto, P. Cusinato, G. Gandolfi  
**“Fully differential operational amplifier of the folded cascode type”**  
USA patent (issued) - 6,496,066 - 17/12/2002
- [Pt.19] P. Cusinato, A. Baschirotto  
**“Method and circuit for improving the signal/noise ratio of a Sigma-Delta modulator”**  
USA patent (issued) - 6,621,435 - 16/9/2003
- [Pt.20] P. Cusinato, A. Baschirotto, M. Brucolieri  
**“Class AB operational amplifier having high gain and low settling time”**  
USA patent (issued) - 6,750,716 - 15/6/2004
- [Pt.21] E. Lasalandra, T. Ungaretti, A. Baschirotto  
**“Method and circuit for detecting displacements using micro-electro-mechanical sensors, with compensation of parasitic capacitances and spurious displacements”**  
USA patent (issued) - 6,753,691 - 22/6/2004
- [Pt.22] V. Colonna, A. Baschirotto, G. Gandolfi  
**“Randomizer for sigma delta type converter”**  
USA patent (issued) - 6,753,799 - 22/6/2004
- [Pt.23] G. Gandolfi, V. Colonna, A. Baschirotto  
**“Method for self-calibrating a frequency of a modulator circuit, and circuit using said method”**  
USA patent (issued) - 6,822,592 - 23/11/2004
- [Pt.24] E. Lasalandra, T. Ungaretti, A. Baschirotto  
**“Method and circuit for detecting movements through micro-electric-mechanical sensors, compensating parasitic capacitances and spurious movements”**  
USA patent (issued) - 6,856,144 - 15/2/2005
- [Pt.25] V. Colonna, A. Baschirotto, G. Gandolfi  
**“Input stage with switched capacitors for analog-digital converters”**  
USA patent (issued) - 6,867,724 - 15/3/2005
- [Pt.26] A. Di Giandomenico, F. Corsi, G. Matarrese, C. Marzocca, A. Baschirotto, S. D'Amico  
**“Method and apparatus for tuning a filter”**  
USA patent (issued) - 6,965,275 - 15/11/2005
- [Pt.27] S. D'Amico, A. Baschirotto, A. Gola  
**“Continuous-time filter”**  
USA patent (issued) – 7,026,856 - 11/4/2006
- [Pt.28] G. Gandolfi, A. Baschirotto, V. Colonna  
**“Method for self-calibrating a phase integration error in a modulator”**  
USA patent (issued) – 7,034,725- 25/4/2006
- [Pt.29] A. Baschirotto, P. Liguori, V. Colonna, G. Gandolfi  
**“Control system for the characteristic parameters of an active filter”**  
USA patent (issued) – 7,176,754- 13/2/2007
- [Pt.30] M. Conta, A. Baschirotto, S. D'Amico  
**“Filter circuit”**  
USA patent (issued) – 7,659,774 B2- Feb., 9, 2010
- [Pt.31] G. Gandolfi, A. Baschirotto, V. Colonna  
**“Controlled switch of the switched capacitance type”**  
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- [Pt.32] M. Conta, A. Baschirotto, S. D'Amico  
**“High-order continuous-time filter”**  
United States Patent Application no. 2009/0237153 - 24/9/2009

- [Pt.33] M. Conta, A. Baschirotto  
**“Integrated circuit”**  
United States Patent Application no. 2009/0243754- Oct., 1, 2009
- [Pt.34] D. Giotta, R. Gaggl, I. Di Sancarlo, A. Baschirotto  
**“Common-mode control circuitry for multistage operational amplifier”**  
USA patent (issued) – 7,834,696 B2- Nov., 16, 2010
- [Pt.35] T. Ungaretti, S.A. Jawed, M. Gottardi, A. Baschirotto  
**“Readout-interface circuit for a capacitive microelectromechanical sensor and corresponding sensor”**  
United States Patent Application no. 2009/0322353- 31/12/2009